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USSN: 09/554,533
Atty. Docket No. 238/086 US

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS

Please amend the claims as follows. This listing of claims will replace all prior versions and listings of the claims in the present application.

1-54. (Cancelled)

55. (Currently amended) An isolated peptide compound according to SEQ ID NO: 4 and having of the formula:

His Xaa₂ Xaa₃ Gly Thr Phe Thr Xaa₈ Asp Xaa₁₀ Ser Lys Gln Xaa₁₄
Glu Glu Glu Ala Val Arg Leu Xaa₂₂ Xaa₂₃ Glu Xaa₂₅ Leu Lys
Xaa₂₈ Gly Gly Pro Ser Ser Gly Ala Pro Pro-Z

wherein Xaa₂ is Ser, Gly or Thr,

Xaa₃ is Asp or Glu,

Xaa₈ is Ala, Ser, or Thr,

Xaa₁₀ is Leu, Ile, Val, pentylglycine or Met,

Xaa₁₄ is Ala, Leu, Ile, pentylglycine, Val or Met,

Xaa₂₂ is Phe, Tyr or naphthylalanine,

Xaa₂₃ is Ile, Val, Leu, pentylglycine, tert-butylglycine or Met,

Xaa₂₅ is Ala, Trp, Phe, Tyr or naphthylalanine,

Xaa₂₈ is Ala or Asn, and

Z is -OH or -NH₂; and or a

pharmaceutically acceptable salts thereof.

56. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Xaa₂ is Ser.

57. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Xaa₂ is Gly.

USSN: 09/554,533
Atty. Docket No. 238/086 US

58. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Xaa₃ is Asp.

59. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Xaa₁₄ is Leu.

60. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Xaa₂₅ is Phe.

61. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Xaa₂₈ is Ala.

62. (Currently amended) The isolated peptide compound or salt thereof of claim 55, wherein Z is NH₂.

63. (Withdrawn) A peptide compound of the formula:

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Xaa₁₄ Glu

Glu Glu Ala Val Arg Leu Phe Ile Glu Xaa₂₅ Leu Lys Asn-NH₂;

wherein Xaa₁₄ is Ala, Leu, Ile, pentylglycine, Val or Met;

Xaa₂₅ is Ala, Trp, Phe, Tyr or napthylalanine; and

wherein any one amino acid other than Xaa₄, Xaa₇, Xaa₉, Xaa₁₄, Xaa₁₈, Xaa₂₂ and Xaa₂₃ optionally is Ala; and pharmaceutically acceptable salts thereof.

64. (Withdrawn) The peptide compound of claim 63, wherein Xaa₁₄ is Leu.

65. (Withdrawn) The peptide compound of claim 63, wherein Xaa₂₅ is Phe.

66. (Currently amended) An isolated peptide compound according to SEQ ID NO: 4 and having of the formula:

USSN: 09/554,533
Atty. Docket No. 238/086 US

His Xaa₂ Xaa₃ Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu
Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
Pro Ser Ser Gly Ala Pro Pro Pro-Z,

wherein Xaa₂ is Gly, Ser, Ala or Thr, Xaa₃ is Glu or Asp; and Z is -OH or -NH₂; and or a pharmaceutically acceptable salts thereof.

67. (Currently amended) The isolated peptide compound or salt thereof of claim 66, wherein Xaa₂ is Ser.

68. (Currently amended) The isolated peptide compound or salt thereof of claim 66, wherein Xaa₃ is Asp.

69. (Currently amended) The isolated peptide compound or salt thereof of claim 66, wherein Z is NH₂.

70. (Currently amended) A method for the treatment of diabetes mellitus comprising the administration, to a subject in need thereof, of a therapeutically effective amount of a compound or salt thereof according to claim 55.

71. (Previously presented) The method of claim 70 further comprising the administration of a therapeutically effective amount of an insulin.

72. (Withdrawn) A method for the treatment of diabetes mellitus comprising the administration of a therapeutically effective amount of a compound according to claim 63.

73. (Withdrawn) The method of claim 72 further comprising the administration of a therapeutically effective amount of an insulin.

USSN: 09/554,533
Atty. Docket No. 238/086 US

74. (Currently amended) A method for the treatment of diabetes mellitus comprising the administration, to a subject in need thereof, of a therapeutically effective amount of a compound or a salt thereof according to claim 66.

75. (Previously presented) The method of claim 74 further comprising the administration of a therapeutically effective amount of an insulin.